

**VEHICLE IGNITION SYSTEM USING IGNITION  
MODULE WITH REDUCED HEAT GENERATION**

**Abstract of the Disclosure**

An ignition system for a vehicle includes a distributor having with a Hall Effect stator assembly and ignition module formed preferably as a thick film  
5 integrated (TFI) module, which receives a spark output (SPOUT) signal from an electronic control assembly (ECA). The ignition module includes a microprocessor for generating a control signal to an ignition coil and switching ON and OFF the primary current therein. A  
10 temperature sensing circuit is operative with the microprocessor for reducing the duty cycle or overall current or power as applied to the control signal from the TFI ignition module to the ignition coil and reducing the heat generated by the TFI ignition module  
15 when a temperature threshold for the TFI ignition module has been exceeded.